

# PATENT ABSTRACTS OF JAPAN

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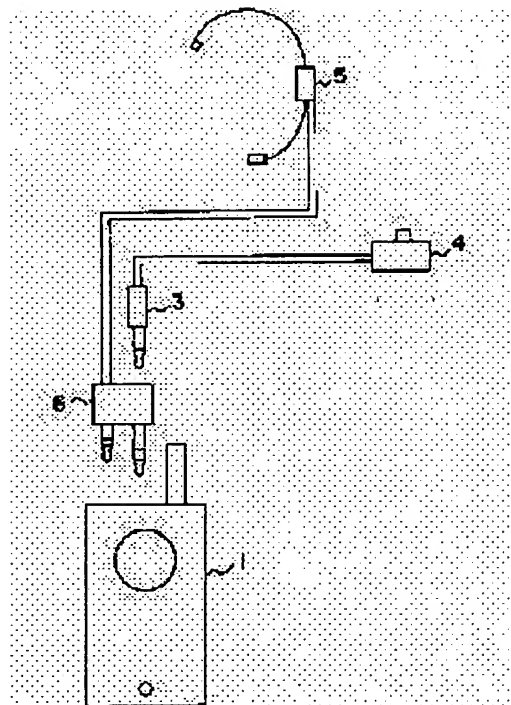
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## (54) ACCESSORY OF RADIO EQUIPMENT

### (57)Abstract:

PROBLEM TO BE SOLVED: To place a transmission reception changeover switch (PTT switch) freely by adopting a removable changeover switch for the transmission reception changeover switch (PTT switch) in an external adaptor connecting to a radio equipment selecting the simplex system (press-to-talk system) and the duplex system and leading out a reception demodulation output, a transmission modulation input, and a transmission reception changeover switch signal from the radio equipment with a cable.

SOLUTION: In the accessory of the radio equipment provided with a head set 5 and a PTT switch 4 and leading out a reception demodulation output, a transmission modulation input, and a transmission reception changeover switch signal from the radio equipment body 1 with a cable, a jack leading out only the transmission reception changeover switch signal is adopted for a jack 6 connecting to the radio equipment body 1. In addition to above, a plug connecting only to the PTT switch 4 is provided. The PTT switch 4 is made available from the outside of the radio equipment by connecting the plug to the jack. Since a cable for the PTT switch 4 is a separate cable from a cable for the head set 5, the transmission reception changeover switch is placed at a free place.



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## LEGAL STATUS

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## DETAILED DESCRIPTION

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### [Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the walkie-talkie attachment which gives a transmit modulation input signal and a transceiver changeover switch signal to a walkie-talkie while it connects with a selectable walkie-talkie and simplex operation (press-to-talk system) and duplex operation pull out a reception recovery sound signal from this walkie-talkie as a communication mode.

[0002]

[Description of the Prior Art] Conventionally, in order that an operator may talk over the telephone by hand free in a walkie-talkie with selectable simplex operation and duplex operation, when using headphone with a microphone (it considers as a head set below), as shown in drawing 2, a head set 5 is connected to a walkie-talkie 1 by the head set jack 2. In this attachment, the transceiver changeover switch 4 (following PTT switch) is on the cable which connects the head set jack 2 with a head set 5. However, when using this walkie-talkie 1 with duplex operation, since the PTT switch 4 is not used, it becomes unnecessary. At the time of use, although always fixed to an operator's breast or the hit of a belt, if the operator is working using both hands in many cases and the PTT switch 4 is installed in an unstable location, at the time of use of a head set 5, it will become inconvenient operating the PTT switch 4.

[0003]

[Problem(s) to be Solved by the Invention] Since an installation is limited also in case it cannot remove also when unnecessary but stops on dress with a clip, since an PTT switch is on the cable between a walkie-talkie and a head set, actuation becomes inconvenient. This invention can detach and attach an PTT switch to arbitration, and it aims at offering the walkie-talkie attachment which can set up an installation freely.

[0004]

[Means for Solving the Problem] In order to enable it to set up freely the location in which the PTT switch pulled out in the wireless section outside the plane is attached, the jack which can take out only the signal of an PTT switch from the plug of the head set linked to a walkie-talkie is prepared. When preparing the plug which connected only the PTT switch apart from this and using an PTT switch, it is used connecting the plug to the jack of a head set.

[0005] Consequently, since an PTT switch can be made removable from a head set, a user becomes possible [ using it fixing an PTT switch to the favorite location which is the need ] by the way.

[0006]

[Embodiment of the Invention] Below, drawing 1 explains one example of this invention. When using a head set 5, the head set jack 6 to which the head set 5 was connected is connected to a walkie-talkie 1. Moreover, when talking over the telephone with simplex operation and an PTT switch is required, the PTT jack 3 is connected to the head set jack 6. The PTT switch 4 is installed in favorite locations, such as a belt of trousers. A head set 5 is installed in an operator's head, and can talk over the telephone freehand. At the time of simplex operation, if it transmits and releases by pushing the PTT switch 4, it

will be in a receive state. The PTT jack 3 is not connected at the time of duplex operation, but the switch of a walkie-talkie 1 is used.

[0007]

[Effect of the Invention] An PTT switch can be detached and attached if needed, and according to this invention, since it becomes possible to install in a free field place at the time of use, the operability of a walkie-talkie improves.

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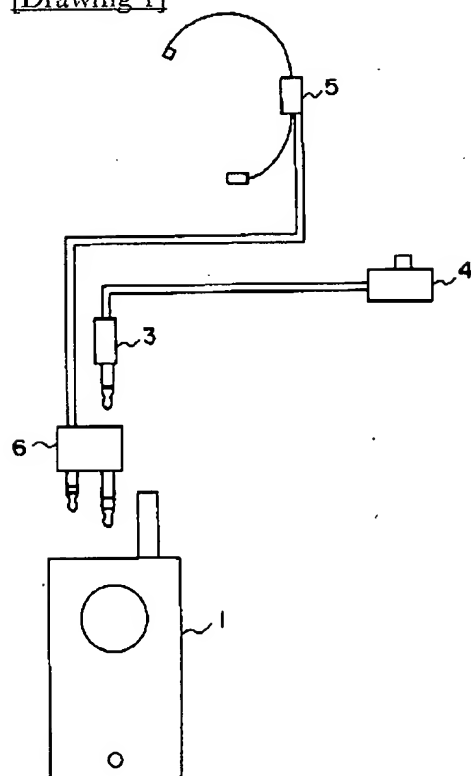
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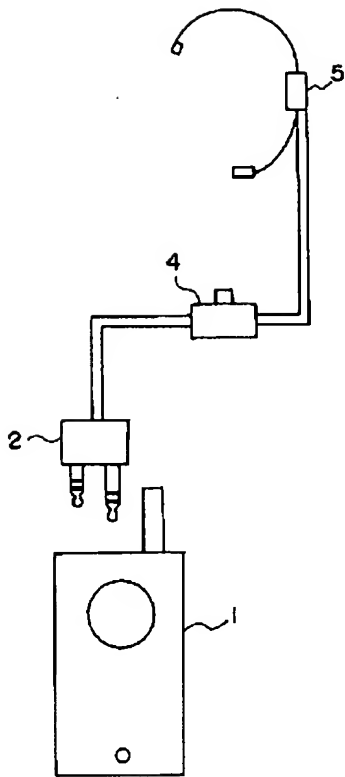
DRAWINGS

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[Drawing 1]



[Drawing 2]



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[Translation done.]